

FORM PTO-1390

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER
ABST-0055

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (if known see 27 CFR 1.5)
104500700

APPLICATION NO. (if known see 27)
10/589789

**INTERNATIONAL APPLICATION NO.
PCT/GB2005/000563**

INTERNATIONAL FILING DATE
16 February 2005 (16.02.2005)

PRIORITY DATE CLAIMED
16 February 2004 (16.02.2004)

TITLE OF INVENTION LIQUIFIED GAS CRYOSTAT

APPLICANT(S) FOR DO/EO/US: **Hugh Charles SETON, James MacDonald Strachan HUTCHISON,
David Malcolm RUSSELL**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
- a. ☒ is attached hereto (required only if not communicated by the International Bureau).
- b. ☐ has been communicated by the International Bureau.
- c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
- a. ☐ is attached hereto.
- b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
- a. ☐ are attached hereto (required only if not communicated by the International Bureau).
- b. ☐ have been communicated by the International Bureau.
- c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
- d. ☒ have not been made and will not be made.
8. ☐ An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) 35 U.S.C. 371(c)(4). **(unexecuted)**
10. ☐ An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 20. below concern other document(s) or information included:

- | | | |
|-----|-------------------------------------|---|
| 11. | <input type="checkbox"/> | An Information Disclosure Statement under 37 CFR 1.97 and 1.98. |
| 12. | <input type="checkbox"/> | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. |
| 13. | <input type="checkbox"/> | A preliminary amendment. |
| 14. | <input checked="" type="checkbox"/> | An Application Data Sheet under 37 CFR 1.76. |
| 15. | <input type="checkbox"/> | A substitute specification. |
| 16. | <input checked="" type="checkbox"/> | A power of attorney and/or change of address letter. (unexecuted) |
| 17. | <input type="checkbox"/> | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.182-1.825. |
| 18. | <input type="checkbox"/> | A second copy of the published international application under 35 U.S.C. 154(d)(4). |
| 19. | <input type="checkbox"/> | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). |
| 20. | <input checked="" type="checkbox"/> | Other items or information: ISR/WO and references cited, IPRP, IB/304, IB/308 |

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U.S. APPLICATION NO. (37 CFR 1.53) 10/589789		INTERNATIONAL APPLICATION NO. PCT/GB2005/000563		ATTORNEY DOCKET NUMBER ASTB-0055	
The following fees are submitted:					
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))		\$300		\$300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$	
If written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					
^		\$0.00		\$200.00	
All other situations		\$200			
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$0		\$400.00	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB		\$100			
All other situations		\$400			
		\$500			
TOTAL of 21, 22 and 23 =				\$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing filed in electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50=		X \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
Claims	Number Filed	Number Extra	Rate		
Total claims	14- 20 =	0	X \$50	\$	
Independent Claims	1- 3 =	0	X \$200	\$	
Multiple dependent claims(s) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$900.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$900.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$900.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					
TOTAL FEES ENCLOSED =				\$900.00	
				Amount to be:	\$
				refunded	
				Amount to be	\$
				charged	

10/589789

IAP6 Rec'd PCT/PTO 16 AUG 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. Department of Commerce

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- a. ☒ A check in the amount of \$900.00 to cover the above fee is enclosed.
- b. ☐ Please charge my Deposit Account No. 23-3050 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees except claims fees which may be required, or credit any overpayment to Deposit Account No. 23-3050. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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SIGNATURE

Michael P. Dunnam

NAME

32,611

REGISTRATION NUMBER